

1 34. (New) A cooling ceiling comprising: cooling tube mats that may be
2 attached by means of a carrying system to a bare ceiling; and separate upper and lower dry
3 building panels arranged in a sandwiched construction and spaced apart from one another by
4 spacers thereby forming shallow hollow cavities; wherein the cooling tube mats are located in
5 the hollow cavities and the upper panels are provided with at least one of a thermal barrier and
6 a thermally reflecting layer.

1 35. (New) A cooling ceiling in accordance with claim 34 wherein the
2 cooling tube mats consist of plastic cooling tube mats.

1 36. (New) A cooling ceiling in accordance with claim 34 wherein the upper
2 and lower dry building panels consist of fire resistant dry building panels.

1 37. (New) A cooling ceiling in accordance with claim 36 wherein the fire
2 resistant dry building panels consist of one of sandwich-type plaster board panels or gypsum
3 fiber board panels.

1 38. (New) A cooling ceiling in accordance with claim 34 wherein the upper
2 panels are provided with a thermally reflecting layer consisting of a foil of aluminum.

1 39. (New) A cooling ceiling in accordance with claim 34 further
2 comprising a sound insulation located at least in a region of the lower panels in order to
3 attenuate flow noises originating from the cooling tube mats.

1 40. (New) A cooling ceiling in accordance with claim 39 wherein the sound
2 insulation consists of a sound insulating fleece.

1 41. (New) A cooling ceiling in accordance with claim 40 wherein the sound
2 insulating fleece is arranged beneath the cooling tube mat on an upper side of the lower dry
3 building panels.

1 42. (New) A cooling ceiling in accordance with claim 40 wherein the sound
2 insulating fleece is arranged beneath the lower dry building panels.

1 43. (New) A cooling ceiling in accordance with claim 42 wherein the sound
2 insulating fleece is first subsequently attached to an installed cooling ceiling in a manner of a
3 wallpaper.

1 44. (New) A cooling ceiling in accordance with claim 34 wherein the upper
2 and lower dry building panels and the spacers consist of pre-manufactured elements.

1 45. (New) A cooling ceiling in accordance with claim 44 wherein the pre-
2 manufactured elements that receive the cooling tube mats and hollow cavities each comprise
3 an upper dry building panel, a lower dry building panel and at least two bar-like spacers.

1 46. (New) A cooling ceiling in accordance with claim 45 wherein the pre-
2 manufactured elements further include a thermal barrier and a sound insulation.

1 47. (New) A cooling ceiling in accordance with claim 45 wherein not every
2 premanufactured element is provided with a cooling tube mat.

1 48. (New) A cooling ceiling in accordance with claim 44 wherein the pre-
2 manufactured elements may be directly attached to the bare ceiling.

1 49. (New) A cooling ceiling in accordance with claim 44 wherein the pre-
2 manufactured elements may be attached to the bare ceiling by means of one of nails or screws
3 to a lath arrangement attached to the bare ceiling.

1 50. (New) A cooling ceiling in accordance with claim 44 wherein the pre-
2 manufactured elements may be suspended from the bare ceiling.

1 51. (New) A cooling ceiling in accordance with claim 50 wherein the pre-
2 manufactured elements are suspended from the bare ceiling by means of hangers for CD
3 sections, wherein the CD sections may be attached to the hangers and the elements may be
4 attached to the CD sections.

1 52. (New) A cooling ceiling in accordance with claim 51 wherein points of
2 attachment for the CD sections arranged on the hangers have fixed spacings from one another,
3 and wherein the premanufactured elements have dimensions in a length direction and in a
4 width direction that are matched to the fixed spacings.

1 53. (New) A cooling ceiling in accordance with claim 34 wherein the
2 attachment of the upper and lower panels to one another takes place at positions at which
3 spaces are provided.

1 54. (New) A cooling ceiling in accordance with claim 34 wherein the lower
2 dry building panels are provided with holes.

1 55. (New) A cooling ceiling comprising: cooling tube mats; upper dry
2 building panels with a thermal barrier secured thereto, the thermal barrier being attached to a
3 lower side of the upper dry building panels;

4 spacers that may attached to the lower side of the upper dry building panels;
5 lower dry building panels that may be attached to the spacers in order to form
6 hollow cavities that receive cooling tube mats; and

7 a sound insulation that may be attached at one of either between the spacers and
8 the upper side of the lower panels, or in a manner of a wallpaper to a lower side of the lower
9 panels.

REMARKS

Upon entry of the foregoing amendments, claims 34-55 are pending.

Applicants submit herewith a substitute specification. Applicants also submit a work copy of the specification as originally filed indicating the changes made to the original specification. It is respectfully submitted that no new matter has been added.

The Examiner had several objections to the claims and also rejected the claims under 35 U.S.C. § 112, second paragraph. Accordingly, Applicants have canceled the claims and rewritten 1-11 and 27 as new claims 34-55. It is respectfully submitted that these claims fully comply with 35 U.S.C. § 112 and therefore, it is respectfully requested that the rejection be withdrawn.